



Aug 11, 2011

*Weekly Meeting Memo CSE-13*

MEMO

TO: Cliff Ogburn, Town of Nags Head, NC

FROM: Haiqing L. Kaczkowski (PE) and Tim W. Kana (PG)

RE: Nags Head Beach Nourishment Project (CSE 2203)

**Weekly Project Meeting of the Town, the Contractor, and the Engineer**

The weekly project meeting of the Town of Nags Head, the Contractor (Great Lakes Dredge & Dock, referred to as GLDD) and the Engineer (Coastal Science & Engineering, referred to as CSE) was held from 9:10 a.m. to 9:50 a.m. on Thursday, 11 August 2011, at the Town Hall. Items discussed during the meeting are summarized herein.

1) GLDD Production Updates

*The Liberty Island has been working efficiently during the past week and has made significant progress. The dredge has been pumping southward from the landing point at station 645+00, and was pumping at station 684+00 on the morning of this meeting. She has about 1,000 ft of beach to nourish until she reaches the finished section at station 694+00 where she stopped approximately two months ago. She is expected to finish this section in a couple of days. After that, she has two possibilities:*

- (1) Continue to use the landing point at station 645+00 with the elbow flipped so that construction will proceed northward from this landing point;*



- (2) *Move to the landing point at station 898+00 (south of Outer Banks Pier) and proceed northward to meet the finished section at 876+00.*

*The dredge schedule will depend on the weather conditions and also on whether GLDD can fix the submerged pipeline at station 898+00 in time for her move. The Liberty Island has finished 392 loads with a reported volume of more than 1.6 million cubic yards (cy) of sand as of midnight on August 11, 2011.*

*The Texas is proceeding southward from the landing point at station 960+50 and has passed the condemned houses at Seagull Drive. She was pumping at station 996+00 on the morning of this meeting. She has a reported total volume of approximately 1.5 million cy as of midnight on August 11, 2011.*

*Together the dredges have moved approximately 3.2 million cubic yards of sand, which is about 70 percent of the contract volume of 4.6 million cy. About 32,000 linear feet (~6 miles) of beach has been nourished, which is ~60 percent of the total project length (10 miles or 52,800 linear feet).*

*The two dredges may have some maintenance or mechanical delays in the following weeks. The Liberty Island is scheduled to refuel either on site or in Norfolk, VA. The Texas may need to return to Norfolk at some point to have her pump parts changed. Despite the possible delays, both dredges should be able to finish their work according to the latest schedule distributed by GLDD on August 8, 2011, ie – the Texas will finish her sections by the end of August, and the Liberty Island will finish her sections by the end of September.*

## 2) Sandbag Issues

*The CAMA staff placed stakes in front of the sandbag properties located between stations 990+00 and 995+00 (Texas sections) over the past week. There are only two more properties having sandbag issues in the Texas' sections, and these properties are located near stations*



*1007+00 and 1018+00. Stakes will be placed in front of these properties in the following weeks as the construction progresses.*

3) Dredging Quality Management (DQM) Report from the USACE

*A DQM report from the USACE Mobile District Operation Division was received on August 5, 2011. It is a summary of the Liberty Island's profile between July 26 and August 2. The major issue brought up in the report is that there has been no new data transmitted to the DQM system since August 3, 2011. GLDD investigated this issue and found there was a problem with their internet connection. The problem has recently been resolved, and the un-transmitted data in the queue has been sent appropriately.*

4) Sea Turtle Nests Relocation and Sea Turtle Monitoring on the Beach

*For most of the nights over the past week, there have been three sea turtle monitors on the beach covering the three active construction sites. Monitors reported that all vehicles were escorted when pipes were removed, and the active construction areas were monitored in compliance with the permits.*

*Two monitors may be able to cover the sites (ie- one for each dredge) this week according to GLDD's current work schedule. GLDD will inform the monitor coordinator if there are any schedule changes, and the coordinator will decide if a third monitor is needed.*

*Since the last turtle nest was found on July 27, 2011, there have been no new nests sighted in Nags Head. The Network for Endangered Sea Turtles (N.E.S.T.) traditionally patrols the beach for signs of turtle nests up until September 15 of each year.*

*The monitor coordinator also reported that a dead dolphin was found near Jennett's Pier on Saturday, August 6, 2011. It is apparently not related to the beach nourishment project. The*



*town staff indicated that along Dare County beaches it is quite common to have dolphin or turtle carcasses wash up on shore after being released from the Gulf Stream and drift into the area.*

5) GLDD Job Site Safety

*GLDD reported that an injury occurred on a rental tug Tuesday, August 9, 2011. When a line attached to the anchor barge became tight and broke, it hit the deckhand in the face breaking his jaw in two places. He was immediately taken to a local hospital and then transferred to Norfolk for advanced care. Although this individual worked for a subcontractor and was not a GLDD employee, and the incident did not occur on GLDD's equipment, GLDD's site management has begun the Multiple Cause Incident Analysis in the accident.*

*GLDD reiterated its commitment to an Incident and Injury Free (IIF) work environment. When they work on the beach in summer, public safety is a primary concern. They have been and will continue to escort their equipment with all-terrain vehicles (ATVs) when the equipment moves on the beach outside of the fenced area. There have been some concerns over the past week raised by residents about the proximity of the ATVs to the crowds on the beach. The Town and CSE addressed these concerns immediately and coordinated with GLDD to resolve this matter. Since then, no further concerns have been raised about this issue by the residents.*

6) Anticipated events and schedule for next week

*Thursday, 18 August, at 9 a.m. — Weekly project meeting at the Town Hall  
(The Town, the Contractor, and the Engineer are expected to attend.)*

Enclosure: List of attendees and their contact information